OCZ Z-Drive R2 p84 1TB PCI-Express SSD

Design & Technology:

Z-Drive R2 p84 is designed to meet the demanding storage and computing applications of enterprise servers storage arrays, super computing and data warehousing. The Z-Drive delivers faster more reliable data transfer and reduced power consumption. Unlike other solutions, the Z-Drive provides a cost-effective formula of performance, reliability, and upkeep for enterprise customers and their applications which require the benefits of solid state drive technology.

Applications:

Servers and workstations

Physical Specifications

Capacity:	1 TB
NAND Flash Components:	Multi-Level Cell (MLC) NAND Flash Memory
Interface:	PCI Express
Form Factor:	x8 slot full height PCI Express
Dimensions:	See page 2

Reliability Specifications

Life Expectancy:	1.0 million hours Mean Time Before Failure (MTBF)
Reliability:	ECC is BCH with 8, 12 or 16 bits correctable, depending on NAND
Product Health Monitoring:	Self-Monitoring, Analysis and Reporting Technology

Environmental Specs

Operating Temperature:	0°C ~ 70°C
Storage Temperature:	-45°C ~ +85°C
Certifications:	RoHS, CE, FCC

Performance Specifications

Max Read:	up to 850 MB/s
Max Write:	up to 800 MB/s
Sustained Write:	up to 500MB/s
Cache:	256MB on board Cache
Max Random Write IOPS:	7700 IOPS (4KB 32QD)
Max Random Read IOPS:	29000 IOPS (4KB 32QD)
Power Consumption:	Active: 12Watts
Performance Optimization:	Background Garbage Collection (GC)

Compatibility

OS Compatibility:	Windows (XP or later) Client and Server versions, Linux , Apple OS X (coming soon)
Power Requirements:	PCI Express only, no external power

Part Number UPC

OCZSSDPX-ZD2P841T	842024016885

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Mechanical Information: